

HANDBOOK
[REDACTED]LOGISTICS
1955

PROCEDURE FOR TECHNICAL INSPECTION OF VEHICLES

SYNOPSIS: THIS HANDBOOK IMPLEMENTS [REDACTED] AND SETS FORTH THE OPERATIONS TO BE FOLLOWED IN PERFORMING TECHNICAL INSPECTION OF VEHICLES.

1. ENGINE AND COOLING SYSTEM

a. OIL, WATER, AND FUEL

Check engine oil level. Check level of coolant and the protective value of the antifreeze. Fill, if necessary, but allow for expansion. Fill fuel tank or tanks, if necessary.

b. AIR CLEANER AND BREATHER CAPS

Inspect for cleanliness and oil level.

c. FUEL FILTERS

Remove drain plug or glass bowl and allow water and sediment to drain out of system.

d. CHOKE, THROTTLE, AND ACCELERATOR

Inspect and adjust as required.

e. GENERAL

Check all connections, nuts, bolts, and screws, especially cylinder head, manifold and oil pan bolts for tightness.

2. LIGHTS AND ELECTRICAL SYSTEM

a. BATTERY

Check hold downs, inspect for cracks, check and grease connections. If wet charged, test with hydrometer and add water if needed. Do not place in service unless battery tests 1.225 or better. Recharge if necessary. If equipped with 12- or 24-volt battery, check acid density against manufacturer's specifications.

b. LAMPS, LIGHTS, AND REFLECTORS

Determine whether all lamps will light with switches on and go out with switches off. Reflectors and clearance lights should be clean, secure, and in conformity with state and local laws.

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c. SPARKPLUGS, COIL, DISTRIBUTOR, STARTER, AND GENERATOR

Inspect for visual damage; check to see if working; check all connections and attaching bolts for secureness.

3. FRONT END - STEERING MECHANISM

Inspect for loose or damaged parts; check all working parts, and alignment of front wheels.

4. WHEELS AND BRAKES

a. WHEEL AND FLANGE NUTS

Examine to see that all nuts are present and properly tightened.

b. WHEEL BEARINGS

Inspect to see that all wheel bearings are properly adjusted and lubricated.

c. AXLES

See that axle shaft flange units are tight. Check vents and lubrication levels.

d. BRAKES

Inspect and test the service and emergency brakes and adjust if needed.

5. TRANSMISSION, DIFFERENTIAL, AND POWER TAKE-OFF

Inspect condition, check level of lubricant, test all attaching bolts, and check all parts for operations.

6. BODY

a. BODY FASTENING BOLTS AND NUTS

Check all very closely, especially U-bolts on flat-bed and stake trucks.

b. DOORS

Check for operation and secureness.

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c. FENDERS AND BUMPERS

Inspect for damages and check for security of fastenings.

7. LUBRICATION

Check all grease fittings and lubricate in accordance with manufacturer's instructions.

8. INSTRUMENTS

Observe oil pressure; if gauge fails to register within 30 seconds, stop engine; locate and repair the trouble. Ammeter should show high rate of charge immediately after starting, then return to zero or a slight positive charge with lamps and accessories turned off. Check other gauges and switches for operation.

9. MISCELLANEOUS

a. ACCESSORIES AND BELTS

Examine all accessories for security of mounting, adjustment of belts, and for operation.

b. TIRES

Inspect all tires for damage or abuse. Remove any nails, glass, stones, or other objects from treads or between duals. Check all tire pressures when tires are cold. Inflate if needed.

c. GLASS

Inspect all glass and window operating mechanisms. Check and adjust rearview mirrors.

d. SPRINGS

Inspect for sag, broken or shifted leaves, looseness, rebound check, springclips, eyebolts, U-bolts, and shackles.

e. PROPELLER SHAFTS, CENTER BEARINGS, AND VENTS

Check for looseness, proper lubrication, and clogged vents.

f. HORN AND WINDSHIELD WIPERS

Inspect and test for proper operation.

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g. LEAKS OR OTHER VISUAL DAMAGES

Inspect under hood and beneath vehicle for indications of fuel, oil, or water leaks. Close doors and hood, place on wash rack under a hose or other source of water and check for cab or body leaks. Inspect vehicle for any other visual damages.

h. TOOLS, SPARE TIRE, AND JACK

Check to see that the vehicle is properly equipped with the necessary tools, a good spare tire, and a jack of adequate capacity that operates.

i. CONTRACTS OR PURCHASE ORDER

Check fully for conformity with the description of the vehicle to be delivered as contained in the purchase order or contract when such exists.

j. FLARES, CHAINS, ETC.

Obtain and equip the vehicle with any flares or other safety equipment required by local laws or applicable regulations. If, in the course of normal operations, chains, axes, or shovels may be needed, obtain and include them with the vehicle operating tools.

10. TRAILERS AND SEMI-TRAILERS**a. PERFORM APPLICABLE OPERATIONS ABOVE****b. LANDING GEAR**

Check mechanism for raising and lowering, and lubricate. Check tightness of mounting bolts.

c. MOUNTED POWER UNITS AND EQUIPMENT

Inspect and service in accordance with applicable instructions above and manufacturer's recommendations.

FOR THE DIRECTOR OF CENTRAL INTELLIGENCE:**DISTRIBUTION: AB**

SIGNED
L. K. WHITE
Deputy Director
(Support)